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The potatoes forwarded to the Society, as having been soaked for three weeks in the ammoniacal water, or in brine, were in slices, having been cut and dried after immersion. They were dense, brittle, not very hard, and broke down, when chewed, nearly in the same way as sea-biscuits do; the peculiar flavour of the potato was entirely gone, being superseded by that of a simple farinaceous substance, far from unpalatable, even without farther cooking.

In order to ascertain whether the change thus produced in the potato was not owing merely to slow drying, some potatoes were sliced, wrapped in paper, and put over the chimney-piece in a sitting-room where a fire was kept burning during the whole day. At the end of three weeks, the pieces, having become perfectly dry, were examined: they were considerably harder, and more tough, than the samples sent by Mr. Webster, and retained the strong, rank flavour of the raw potato.

No. II.

COMPARATIVE ANALYSIS OF BRITISH AND TURKEY OPIUM.

The Thanks of the Society were voted to Mr. T. N. R. Morson, 19, Southampton Row, Russell Square, for the following Note respecting the Comparative Strength of British and Foreign Opium.

19, Southampton Row,
April 25th, 1834.

Sir,

I have examined the English opium rewarded by the Society, and find it very inferior in strength to Turkey opium, and not unlike some of the bad varieties of Egyptian; it contains codeine, and a larger proportion than usual of meconic acid. 20 oz. avoirdupois of the dry opium contain

384 grs. of pure morphia.
220 grs. of narcotine.

Mr. Hennell, in his examination (Vol. XLIII., p. lvi. of the Society's Transactions) gave for 20 oz. 662½ grs.,—a quantity nearly equal to the narcotine and morphia united.

I send you samples of the products.

I am, Sir, &c. &c.

A. Aikin, Esq. T. N. R. Morson.
Secretary, &c. &c.

No. III.

POLISHING POWDER.

The Thanks of the Society were voted to Mr. A. Ross, 15, St. John's Square, Clerkenwell, for the following description of his method of preparing Polishing Powder for the use of Opticians, &c.

Sir, 18*th May*, 1833.

Having in the course of my practice had considerable difficulty in procuring oxide of iron fit for polishing glass and steel with sufficient rapidity, and without hazard of scratching, I was induced to try to prepare it myself; and I now inform you, that I have completely succeeded in

CORRIGENDA IN FIRST PART OF VOL. L.

Page 11, 5 *lines from bottom*, *for* height, and place the connecting bar *g*, *read* height and place, the connecting bar *g*.
13, *line* 2, *for* ; then unclamp *read* , first unclamping.
14, 5 and 8, *for b read l.*
— 16, *for* lie *read* lies the bar.
26, 8, *after* grs. *add* of morphia.
33, 16, *dele* working.
39, 3, *for* latter *read* former.
— 10, *after* to *add* air and.
53, 8, 11, 27, 31, *for* bar or bars *read* arm or arms.
— 14, *for* 2 *read* 1.
55, 21, *dele* subsequently.
57, 14, *dele* and.
58, 3 *from bottom, for c c,* which is a front, *read* which is a front view, *c c.*
59, 5 *from bottom*, *dele* thrown back and, *and insert the same in the next following line*, *after* compartment.
63, 5, *for* covered *read* high-pressure.
69, 5 *from bottom*, *for* right angles *read* the angle.
84, 9, *after* horns *insert e.*
86, 12 *from bottom*, *dele* (as in figure 15).
90, 1 *and* 2, *omit* alternate.
— 6, *omit* half the planks retain their original thickness, and.
— 9, *omit* half.
91, 6 *from bottom*, *after* separate *add* in perspective.
—, *last line*, *after* Fig. 1 *add* the two other arms of this knee are horizontal, and at right angles to each other, one of them being parallel to the side of the ship, and the other perpendicular to it.
99, *last line*, *for* 1 *read* 2.
100, *line* 1, *for* 2 *read* 1.
108, 6 *from bottom*, *read the first part of this sentence as follows:* A straight bar projects from the hinder part of the plate *f*, and to this is attached a crank *g* in such a position that the end of its lower arm shall move vertically whenever the bar attached to *f* is moved horizontally.
109, 4, *for* ring, *twice repeated*, *read* swivel.
110, 23, *for the sentence* the weight *to* end of *g*, *substitute* the weight *l* on the spindle *i* balances the spiral *m*, the weight *o* on the crank balances the copper plate and horizontal bar, and another weight at the right hand end of the bar *g* (not shewn in the engraving), balances the weight of the wire.
144, 4, *after* entire *add* machine.
155, 11 *from bottom*, *for* shave *read* have.